

QFM Racking Guidelines

Included below are the minimum and recommended specifications for racking. QFM rack positions see more turns and traffic than normal storage positions. Please follow the recommended specifications for system longevity.

	Minimum Requirements	Recommended Specifications
Overall Design		
	2,000 lb. Capacity	2,500 lb. Capacity
	2 deep with Structural Beams	Structural "Select Rack" (2 deep)
	1 High	1-7 High
Uprights		
Material	Steel	Structural Steel
Depth	Rear 36" / Front 42"	Both 42"
Width	N/A	4" (C4 Channel)
Reinforcement	N/A	Aisle Side Double Boxed Channel 96" from Floor
Floor Level Protection	N/A	Welded Bullnose Deflector at Floor Level
Height Adjustability	N/A	1" Vertical Adjustability
Upright to Upright Distance	9"	9"
Color	N/A	Color-Standard Blue (0000FF)
Beams		
Clear Bay (Distance between uprights)	96"	104"
Material	3" Structural Beams (C3 Channel)	4" Structural Beams (C4 Channel)
Top Beam	Beam Above Top Level QFM Required	Beam Above Top Level QFM Required
Bottom Beam	Bottom Beam Below Bottom Level QFM or QFM-106 Adapter Required	Bottom Beam Below Bottom Level QFM or QFM-106 Adapter Required
Opening Height Minimum	55" (Minimum Beam to Beam Height)	55" (Minimum Beam to Beam Height)
Opening Height Maximum (Sized 6-8" Taller than Pallet Height)	<ul style="list-style-type: none"> The QFM has NO maximum beam to beam height limitation as we offer plenum extensions which allow installation to any height of beam to accommodate any height of pallet. Standard equipment ships with max opening of 83" 	<ul style="list-style-type: none"> The QFM has NO maximum beam to beam height limitation as we offer plenum extensions which allow installation to any height of beam to accommodate any height of pallet. Standard equipment ships with max opening of 83"

Diagram illustrating the elevation view of a four-level mezzanine structure, showing dimensions and load specifications.

Dimensions:

- Overall width: 108" C/C (Center-to-Center)
- Overall height: 304"
- Level spacing (vertical): 72" between levels.
- Level width (horizontal): 104" CLEAR BAY.
- Level height (vertical): 68" CLR LIFT (Clear Lift).
- Level width (horizontal): 40" LOAD.
- Level height (vertical): 62" LOAD.
- Level width (horizontal): 7 1/2" (Side offsets).
- Level height (vertical): 4" (Level thickness).
- Level width (horizontal): 9" (Top offset).
- Level height (vertical): 12" (Bottom offset).
- Level width (horizontal): 4" (Bottom offset).
- Level height (vertical): 0" (Bottom offset).
- Level width (horizontal): 300" STD-TOP.
- Level height (vertical): 68" MIN CLEAR (Minimum Clear).
- Level width (horizontal): 72" (Level width).
- Level height (vertical): 228" (Level height).
- Level width (horizontal): 156" (Level height).
- Level height (vertical): 84" (Level height).
- Level width (horizontal): 12" (Level height).
- Level height (vertical): 0" (Level height).

Load Specifications:

- Level 1 (Bottom): 1
- Level 2: 2
- Level 3: 3
- Level 4 (Top): 4

Notes:

- 290" TOP OF LOAD @ AISLE
- ***MIN OVERHEAD CLEAR REQ'D***

